

## REMARKS/ARGUMENTS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the amendments and remarks herewith, which place the application into condition for allowance. The present amendment is being made to facilitate prosecution of the application.

### I. STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 1-24 are currently pending. Claims 1, 7, 13, 19 and 24 are independent. Claims 1, 7, 13, 19 and 24 are hereby amended. No new matter has been introduced. Support for this amendment is provided throughout the Specification as originally filed.

Changes to the claims are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

### II. REJECTIONS UNDER 35 U.S.C. §102

Claims 13-18 were rejected under 35 U.S.C. §102 as allegedly anticipated by U.S. Patent No. 5,708,961 to Hylton et al. (hereinafter, merely Hylton).

In view of the amendments herein, Applicants respectfully traverse this rejection.

Independent claim 13 is representative and recites, *inter alia*:

“A display apparatus for receiving a signal from a channel selection apparatus  
...  
the display apparatus is arranged to receive and demodulate only a respective  
signal transmitted from the channel selection apparatus . . .” (emphasis added)

As understood by the Applicants, Hylton discloses each set-top terminal (100) requests an individual selected program. The remote program selectors extract each of the individual selected programs from the broadcast stream and multiplex the desired programs for broadcast to the set-top terminals (100). Each set-top terminal (100) in Hylton can then demodulate the broadcast signal to extract the respective individual selected program. However, each set-top terminal could also select the individual selected program that another set-top terminal selected. That is, the set-top box can be tuned and can, therefore, demodulate the broadcast signal to extract not only its respective individual selected program but a program selected by another set-top terminal (100). That is, each set-top terminal (100) in Hylton has a Transport Interface Module (TIM) (101) that includes a tuner 201, 210 (and others). Col. 8, lines 1-5 and FIG. 1.

In contrast, claim 13 recites, “the display apparatus is arranged to receive and demodulate only a respective signal transmitted from the channel selection apparatus.” In the present invention, the display apparatus (4), (5) and (6) receives and demodulates only respective radio signals transmitted from the channel selection apparatus destined for the display apparatus so that the demodulated signal can be provided to the user. This is distinguishable from Hylton wherein TV 103 has no demodulator but receives a demodulated signal from the set-top box that can demodulate any signal that is multiplexed in the broadcast signal.

The present invention has the advantages of (1) the display device does not require a tuner for selecting any one signal from a multiplexed signal, and (2) each user’s respective display can be restricted from receiving and demodulating programs requested by another user.

The Office Action, at page 4, points to Hylton TV 103 for the display apparatus (4, 5, 6) of the present invention and states, “[TV 103] receives only the selected program through the set-top 100 (including TIM 101 and DET 102) . . . The display device 103 receives and displays only the selected program on the selected channel.” Applicants have amended claim 13 to recite, “the display apparatus is arranged to receive and demodulate only a respective signal transmitted from the channel selection apparatus.” Thus, the Hylton TV 103 can no longer correspond to the display apparatus (4, 5, 6) of the present invention because, as pointed out in the Office Action, demodulation is performed by the set-top box 100.

Thus, in Hylton, the set-top box 100 includes a TIM 101 that includes a tuner 201, 210 (and other elements) that can be tuned to demodulate a received broadcast signal multiplexed with all the requested programs. Col. 18, lines 12-65 and FIG. 5. That is, in Hylton each user can display any one of the signals multiplexed in the signal broadcast by the channel selectors by adjusting the tuner on the set-top box.

In contrast, a particular display apparatus (4, 5, 6) can receive and demodulate only the signal destined for the particular display apparatus and can not receive and demodulate a signal destined for some other display apparatus.

The alleged display apparatus TV 103 of Hylton has no demodulation capability. The present invention has been amended for the display apparatus to recite, “receive and demodulate [a broadcast signal].” If the Office Action points to the set-top box as part of the display device, then it must be accepted that the set-top box can use the tuners therein to demodulate signals destined for other TVs 103. Whereas, the display apparatus (4, 5, 6) can receive and demodulate only the signals destined for that display apparatus, no other.

Claim 13, as amended, is patentable over Hylton because the reference does not disclose each and every element recited in the claim. In particular, Hylton does not disclose, “display apparatus is arranged to receive and demodulate only a respective signal transmitted from the channel selection apparatus, the channel selection apparatus having a plurality of demodulation sections for selecting the respective signal in accordance with the respective information transmitted from the display apparatus” as recited in claim 13.

Claims 14-18 depend from claim 13 are believed patentable for at least the same reasons.

### III. REJECTIONS UNDER 35 U.S.C. §103

Claims 1-12 and 19-24 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over U.S. Patent No. Hylton in view of U.S. Patent No. 6,072,994 to Phillips et al. (hereinafter, merely “Phillips”). Applicants respectfully traverse this rejection.

Claim 1, as amended, is representative and recites, *inter alia*:

“A television reception system, comprising:

...  
a plurality of display apparatus each for receiving and demodulating only the respective signal transmitted from said channel selection apparatus and displaying an image based on an image signal of the received signal on a display element thereof.” (emphasis added).

As discussed above, the selection apparatus of Hylton multiplexes selected signals that are multiplexed into a single signal that is then broadcast to the all the display devices. The multiplexed signals are limited to the selected signals that are subsequently demodulated by each transceiver (21). Col. 8, lines 35-45. The set-top boxes of Hylton demodulate a multiplexed signal. That is, the set-top boxes of Hylton are each configured to receive the multiplexed signal

that contains all of the broadcast signals for all of the display devices. Hylton demodulates the broadcast signal in the set-top box for display device of a program on the display device.

In contrast, claim 1, as amended, recites, “a plurality of display apparatus each for receiving and demodulating only the respective signal transmitted from said channel selection apparatus and displaying an image based on an image signal of the received signal on a display element thereof.” The channel selection apparatus transmits signals of different contents individually to the display apparatus (4), (5) and (6). As discussed above, the display apparatus (4), (5) and (6) are configured so that each can receive and demodulate only the transmission signal from the channel selection apparatus (3) destined for the respective display apparatus. Published Application par. [0202]. This element is distinguishable from Hylton in which the display device does not include a demodulator. As discussed above in more detail, in Hylton a set-top box has a tuner that can demodulate the multiplexed signal and extract therefrom a signal not selected by the respective TV 103. That is, the Hylton system is configured so that a set-top box demodulates a program from a multiplexed signal. The demodulated signal is received by the TV that displays the demodulated program. That is, the TV of Hylton does not include a demodulator but the Hylton system uses a set-top box than includes a tuner that can demodulate any one of the signals included in the multiplexed broadcast signal.

Phillips does not add the elements missing from Hylton as discussed herein above.

Thus, claim 1 is patentable over the Hylton and Phillips references because those references taken alone or in combination do not teach or suggest each and every limitation recited in the claim.

For reasons similar or somewhat similar to those described above with regard to independent claim 1, independent claims 7 and 19 are also believed to be patentable.

#### **IV. DEPENDENT CLAIMS**

The other claims are dependent from one of the claims discussed above and are therefore believed patentable for at least the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

#### **CONCLUSION**

Claims 1-24 are in condition for allowance. In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited reference, or references, it is respectfully requested that the Examiner specifically indicate those portions of the reference, or references, providing the basis for a contrary view.


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In view of the foregoing amendments and remarks, it is believed that all of the claims in this application are patentable and Applicants respectfully request early passage to issue of the present application.

Respectfully submitted,

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